

Est. 9/74
Reviewed 12/74
Erie County
BVF
I-481
NC
JG-XVI

CHIEF COUNTY TOXICOLOGIST

GENERAL STATEMENT OF DUTIES: Plans, initiates, and develops different types of toxicological chemical analyses and methods to be used to determine the presence of drugs or poisons; does related work as required.

DISTINGUISHING FEATURES OF THE CLASS: Under the general supervision of an administrative and technical employee of higher rank and the general direction of the Chief Medical Examiner, supervises and directs all activities of the toxicology section of the Erie County Laboratory. This is a professional level position primarily analytical in nature. Supervision is exercised over a small number of subordinate personnel.

EXAMPLES OF WORK: (Illustrative only)

Evaluates investigative and autopsy findings and determines the need for toxicological examinations;
Confers with Pathologists and investigative personnel in evaluating laboratory findings;
Performs complex toxicological analyses of specimens from cadavers to determine cause of death or if any chemical was present in the body at time of death;
Reviews, edits, and prepares an up-to-date list of hazardous substances and antidotes;
Prepares papers; and talks on Toxicology;
Testifies in court as expert in Toxicology;
Develops sampling techniques for use in industrial monitoring work;
Coordinates activities with other areas of Biochemistry;
Conducts in-service training program in Toxicology.

REQUIRED KNOWLEDGES SKILLS AND ABILITIES: Comprehensive knowledge of principles, practices, and terminology of analytical biochemistry; comprehensive knowledge of current developments in the field of Toxicology; thorough knowledge of modern laboratory practices, techniques, and equipment; some knowledge of rules of evidence and legal procedures as related to toxicology; skill in use of such methods as colorimetric, spectrofluorometric, gravimetric; gas chromatographic and column chromatographic; ability to supervise; ability to coordinate activities with others; ability to teach; good professional judgment; ethics; initiative; dependability; resourcefulness; tact; good health.

ACCEPTABLE TRAINING AND EXPERIENCE: Candidates must meet one of the following:

- a) A doctorate in Philosophy from a recognized university with specialization in chemistry or bio-chemistry and five years of responsible experience in the field of toxicological chemistry,
Or
- b) A master's degree in chemistry or biochemistry and seven years of experience in sanitary chemistry of which five years were in responsible experience in the field of toxicological chemistry
Or
- c) A bachelor's degree from a recognized college or university with a major in chemistry or biochemistry and eight years of experience in sanitary chemistry of which five years were in responsible experience in the field of